1. References:-

[1] G. Adomavicius, A. Tuzhilin **(2005)**, "Toward the Next Generation of Recommender Systems: A Survey of the State-of-the-Art and Possible Extensions," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 17, No. 6, 734-748.

[2] G. Yap, A. Tan, H. Pang **(2007)**, "Discovering and Exploiting Causal Dependencies for Robust Mobile Context-Aware Recommenders," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 19, No. 7,977-992.

[3] T. wata, K. Saito, T. Yamada **(2008)**, "Recommendation Method for Improving Customer Lifetime Value," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 20, No. 9,1254-1263.

[4] M. Vojnovi, J. Cruise, D. Gunawardena, and P. Marbach **(2009)**, "Ranking and Suggesting Popular Items," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 21, No. 8, 1133-1146.

[5] J. Zhan, C. Hsieh, I. Wang, T. Hsu, C. Liau, D. Wang **(2010)**, "Privacy-Preserving Collaborative Recommender Systems," *IEEE Transactions On Systems, Knowledge And Data Engineering*, Vol. 27, No. 7, 1892-1905 .

MAN and Cybernetics—Part C: Applications And Reviews, Vol. 40, No. 4,272-277

[6] T. Wickramarathn, K. Premaratne,M. Kubat,D. Jayaweera **(2011)**, "CoFiDS: A Belief-Theoretic Approach for Automated Collaborative Filtering ," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 23, No. 2,175-189.

[7] J. Tang, G. JunQi, L. Zhang, C. Xu **(2013)**, "Cross-Space Affinity Learning with Its Application to Movie Recommendation," *IEEE Transactions on Knowledge and Data Engineering*, Vol. 25, No. 7, 1510-1519.

[8] H. Liu , Z. Hu, A. Mian, H. Tian, X. Zhu **(2014)**, "A new user similarity model to improve the accuracy of collaborative filtering," *Knowledge-Based Systems*, Vol. 56, 156-166.

[9] Yi Cai, H. Leung, Q. Li, H. Min, J. Tang, and J. Li **(2014)**, "Typicality-Based Collaborative Filtering Recommendation," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 26, No. 3,766-779.

[10] M. Sarwat, J. Levandoski, A. Eldawy, and M. Mokbel **(2014)**, "LARS*: An Efficient and Scalable Location-Aware Recommender System," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 26, No. 6,1384-1399.

[11] X. Zheng, C. Chen, J. Hung, W. He, Fu-X. Hong, and Z. Lin **(2015)**, "A Hybrid Trust-Based Recommender System for Online Communities of Practice," *IEEE Transactions On Learning Technologies*, Vol. 8, No. 4,345-356.

[12] A. Kothari, W. Patel **(2015)**, "A Novel Approach Towards Context Based Recommendations Using Support Vector Machine Methodology," *Procedia Computer Science*, Vol. 5 ,1171 – 1178.

[13] J. Yang , C. Liu, M. Teng, J. Chen, H. Xiong, **(2015)**, "A Unified View of Social and Temporal Modeling for B2B Marketing Campaign Recommendation," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 30, No.5, 810-823 .

[14] H. Wang and Wu-Jun Li **(2015)**, "Relational Collaborative Topic Regression for Recommender Systems,"*IEEE Transactions On Knowledge And Data Engineering*, Vol. 27, No. 5, *1343-1355*.

[15] H. Mashayekhi, J. Habibi, T. Khalafbeigi, S. Voulgaris, M. Steen **(2015)**, "GDCluster: A General Decentralized Clustering Algorithm," *IEEE Transactions On* [16] M. Jiang, P. Cui, X. Chen, F. Wang, W. Zhu **(2015)**, "Social Recommendation with Cross-Domain Transferable Knowledge,"*IEEE Transactions on Knowledge And Data Engineering*, Vol. 27, No.11, 3084-3087.

[17] P. Kefalas, P. Symeonidis, and Y. Manolopoulos **(2016)**,*"* A Graph-Based Taxonomy of Recommendation Algorithms and Systems in LBSNs,"*IEEE Transactions On Knowledge And Data Engineering*, Vol. 28, No. 3, 604-622.

[18] J. Liu, Y. Jiang, Z. Li, X. Zhang, H. Lu **(2016)**, "Domain-Sensitive Recommendation with User-Item Subgroup Analysis,"*IEEE Transactions On Knowledge And Data Engineering*, Vol. 28, No. 4, 939–950.

[19] W. X. Zhao, S. Li, Y. He, E. Y. Chang, J.R. Wen, X. Li **(2016)**, "Connecting Social Media to E-Commerce: Cold-Start Product Recommendation Using Microblogging Information,"*IEEE Transactions On Knowledge And Data Engineering*, Vol. 28, No. 5, 1147-1158.

[20] T. Nguyen Pham, X. Li, G. Cong, and Z. Zhang **(2016)**, "A General Recommendation Model for Heterogeneous Networks," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 28, No. 12, 3140-3153.

[21] X. Ma, H. Lu, Z. Gan , Q. Zhao **(2016)**, "An exploration of improving prediction accuracy by constructing a multi-type clustering based recommendation framework," *Neurocomputing* ,Vol-191,388–397.

[22] M. Narayanan , A. Cherukuri **(2016)**, "A study and analysis of recommendation systems for location-based social network (LBSN) with big data," *IIMB Management Review,*Vol- 28, 25–30.

[23] J. Chen, C. Wang, J. Wang, Philip S. ,Y. Fel **(2016)**, "Recommendation for Repeat Consumption from User Implicit Feedback," *IEEE Transactions On Knowledge And Data Engineering,* Vol. 28, No. 11,3083-3097 .

[24] I. Barjasteh, R. Forsati, D. Ross, A. Esfahanian,H. Radha **(2016)**, "Cold-Start Recommendation with Provable Guarantees: A Decoupled Approach," *IEEE Transactions On Knowledge And Data Engineering,* Vol. 28, No. 6, 1462-1474.

[25] S. Wu, Q. Liu, L. Wang, T. Tan **(2016)**, "Contextual Operation for Recommender Systems," *IEEE Transactions On Knowledge And Data Engineering,* Vol. 28, No. 8, 2000-2012

[26] Z. Yang, B. Wu, Kan Z. Wang, L. Lei **(2016)**, "A Survey of Collaborative Filtering-Based Recommender Systems for Mobile Internet Applications ," *IEEE ACCESS,*Vol. 04 ,3276-3287.

[27] S. Yan, K. Lin, W. Zhang, X. Zhang, and X. Feng **(2017)**, "An Approach for Building Efficient and Accurate Social Recommender Systems Using Individual Relationship Networks," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 29, No. 10, 2086-2099.

[28] J. Aguilar ,P. Valdiviezo, G. Riofrio **(2017)**, "A General framework for intelligent recommender systems," *Applied Computing and Informatics* ,Vol-13, 147–
160.

[29] H. Koohi, K. Kiani **(2017)**, "A new method to find neighbor users that improves the performance of Collaborative Filtering," *Expert Systems With Applications* ,Vol-83, 30–39.

[30] X. He, M. Gao, Min-Yen Kan, D. Wang **(2017)**, "BiRank: Towards Ranking on Bipartite Graphs," *IEEE Transactions On Knowledge And Data Engineering*, Vol. 29, No. 1, 57-91.

[31] R. Katarya , O. Verma **(2017)**, "An effective collaborative movie recommender system with cuckoo search," *Egyptian Informatics Journal,* Vol.18, 105–112.

[32] J. Barbieri ,G.M. Alvim , F. Braida , G. Zimbrão **(2017)**, " Auto encoders and recommender systems: COFILS approach," *Expert Systems With Applications,* Vol-89,81–90.

[33] S. Frémal, F. Lecron **(2017)**, " Weighting strategies for a recommender system using item clustering based on genres," *Expert Systems With Applications* Vol.77 ,105–113 Vol. 28, No. 8, 2000-2012.

[34] R. Hong, Chuan He, Yong Ge, Meng Wang, And Xindongwu **(2017)**, "User Vitality Ranking and Prediction in Social Networking Services: A Dynamic Network Perspective," *IEEE Transactions On Knowledge And Data Engineering,* Vol. 29, No. 6, 1343-1356.

[35] N. Navimipour , B. Keshanchi , F. Milani **(2017)**, "Resources discovery in the cloud environments using collaborative filtering and ontology relations," *Electronic Commerce Research and Applications,* Vol.26 ,89-100.

[36] I. Bartolini, Z. Zhang, and D. Papadias **(2017)**, "Collaborative Filtering with Personalized Skylines," *IEEE Transactions on Knowledge and Data Engineering,* Vol. 23, No. 2,190-203.

[37] V. Nguyen , S. Sriboonchitta , Van-Nam Huynh**(2017)**, "Using community preference for overcoming sparsity and cold-start problems in collaborative filtering system offering soft ratings ," *Electronic Commerce Research and Applications,*Vol. 26 , 101–108.

[38] M. Nilashi, O. Ibrahim, K. Bagherifard **(2018)**,"A recommender system based on collaborative filtering using ontology and dimensionality reduction techniques," *Expert Systems with Applications,* Vol.92,507–520.

[39] S. Wang , J. Tang, Y, Wang, and H. Liu **(2018)**, "Exploring Hierarchical Structures for Recommender Systems," *IEEE Transactions On Knowledge And Data Engineering,* Vol. 30, No. 6,1022-1035.

[40] B. Hammou, A. Lahcen, S. Moulinea, B. Hammou, A. Lahcena, S. Moulinea **(2018)**, "APRA: An approximate parallel recommendation algorithm for Big Data," *Knowledge-Based Systems,*Vol-157,10-19.

[41] C. Ma , Bin Zhang **(2018)**, "A New Query Recommendation Method Supporting Exploratory Search Based on Search Goal Shift Graphs," *IEEE Transactions On Knowledge And Data Engineering,* Vol. 30, NO. 11, 2024-2036.

[42] W. Zhang, Y. Dub, Y. Yang, T. Yoshida **(2018)**, "DeRec: A data-driven approach to accurate recommendation with deep learning and weighted loss function," *Electronic Commerce Research and Applications,* Vol. 3, 12–23.

[43] H. Hwangbo, Y. Kim , K. J Cha **(2018)**, "Recommendation system development for fashion retail e-commerce," *Electronic Commerce Research and Applications,*Vol. 28 ,94–101.

[44] M. Ali Akcayol , A.Utku, E. Aydog, B. Mutlu **(2018)**, "A weighted multi-attribute-based recommender system using extended user behavior analysis," *Electronic Commerce Research and Applications,*Vol. 28,86–93.

[45] X. Xu, K. Dutta, C. Ge **(2018)**, "Do adjective features from user reviews address sparsity and transparency in recommender systems?," *Electronic Commerce Research and Applications* ,Vol. 29 113–123.